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CONFIDENTIAL

00/13/58

(SUPPORTING DOCUMENTATION TO ED-188B
AIRCRAFT EQUIP. DISPATCHING CONVEYOR)

[redacted] [redacted] 25X1

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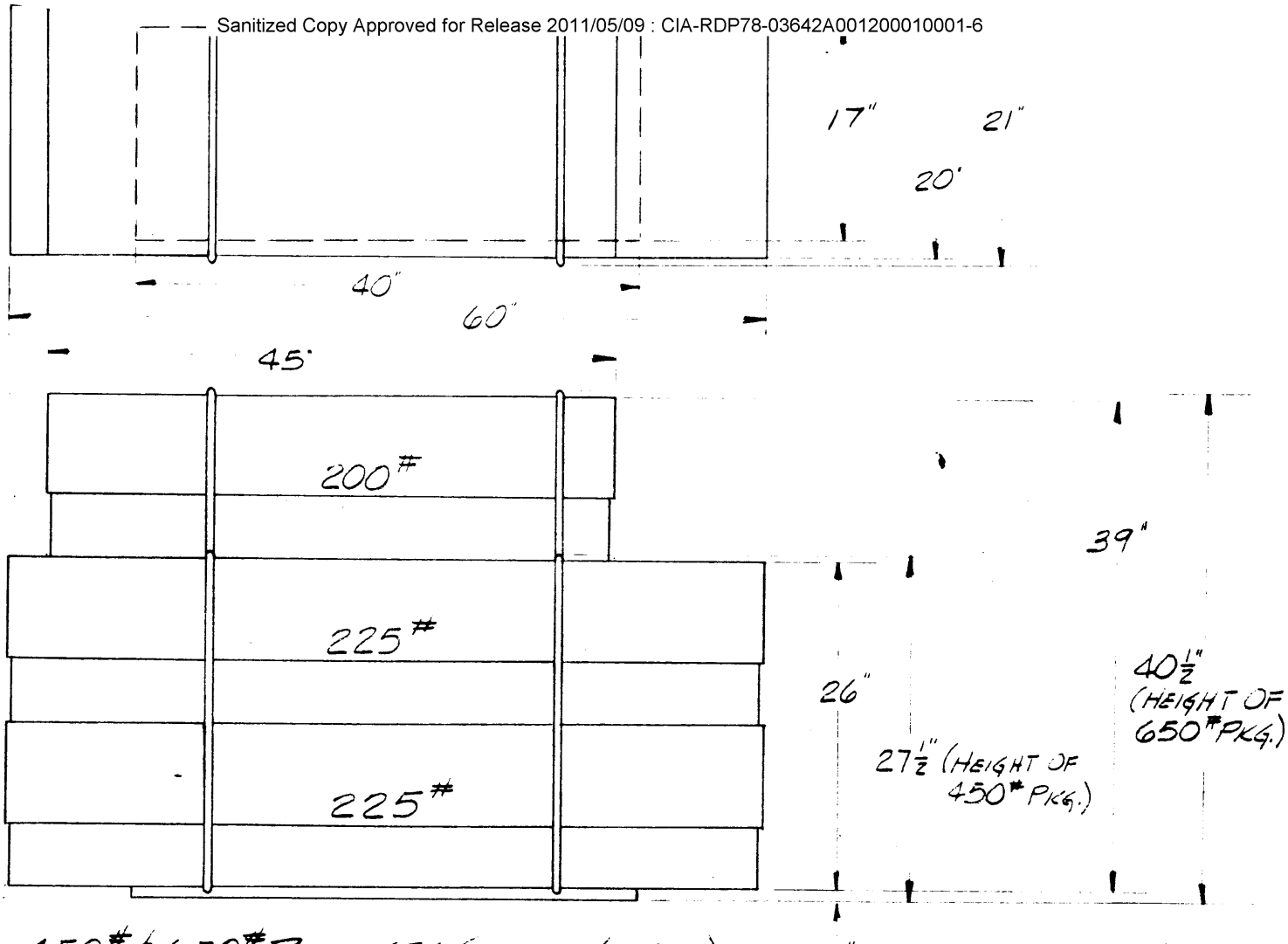

450# & 650# PACKAGES (BOTTOM LOADED)

3006-010004

1-19-59 L.L. MYERS

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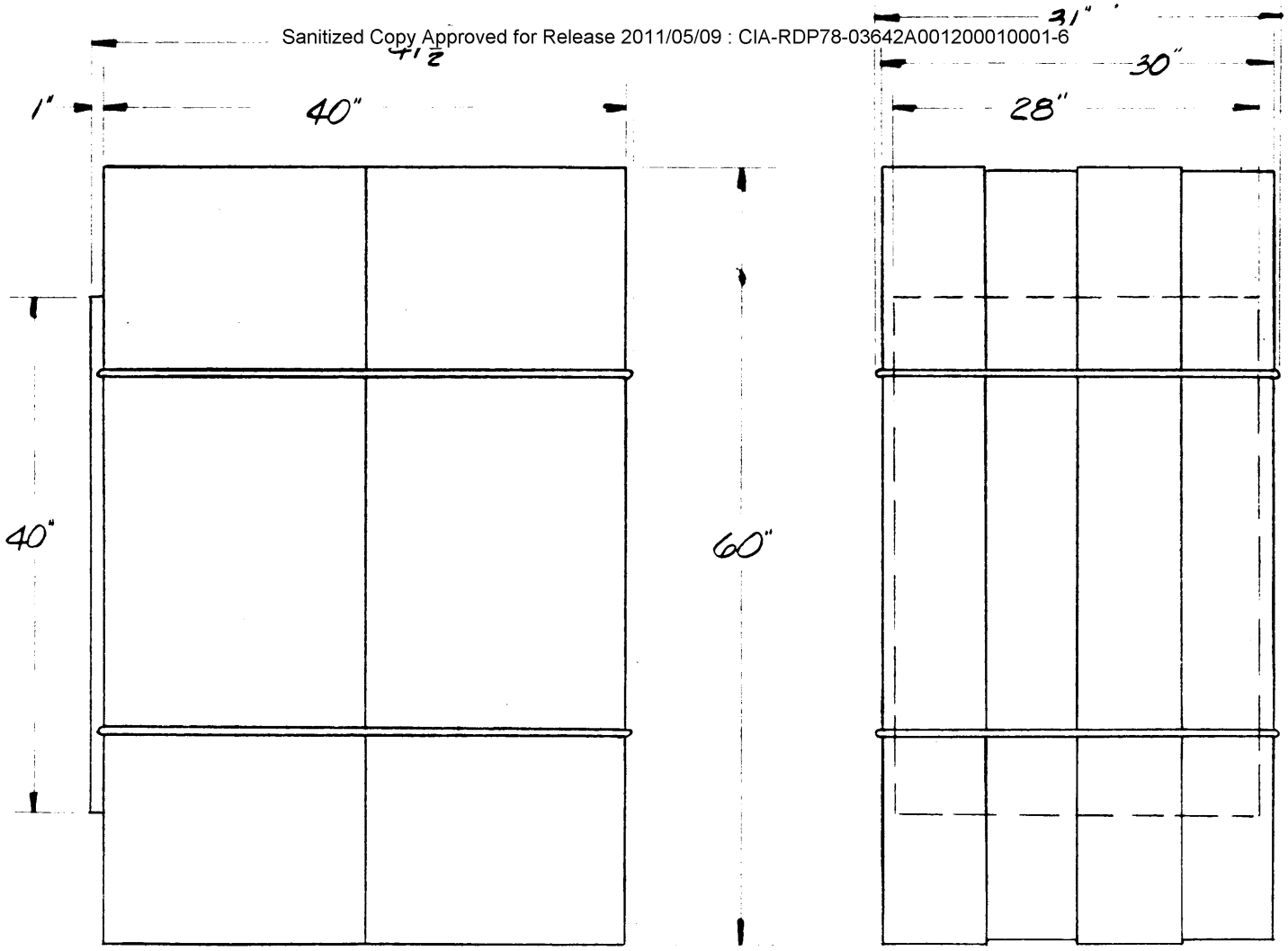

900# PACKAGE (SIDE LOADED)

3006-010006

APP. Flevin 1-19-59 L.L. MYERS

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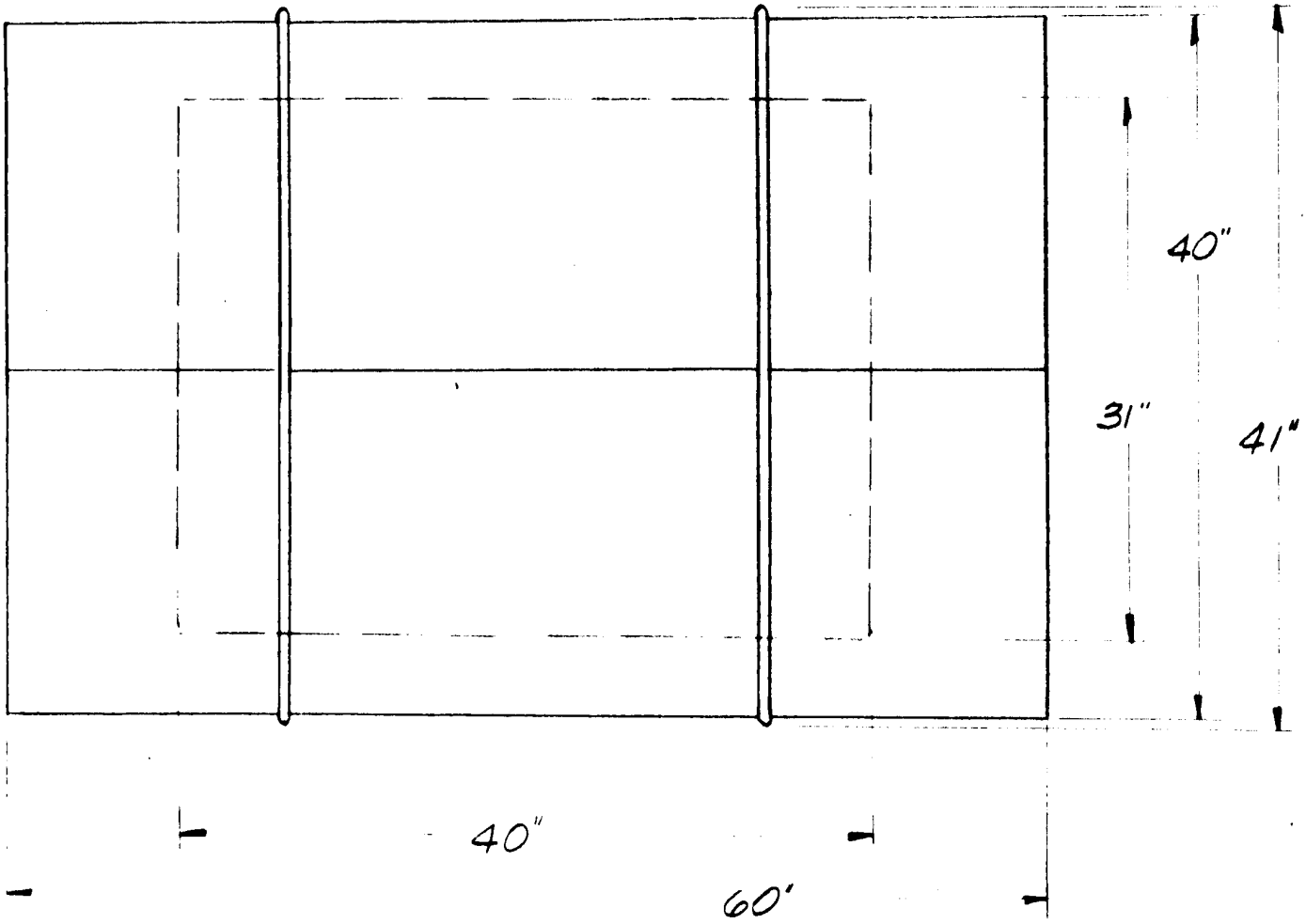

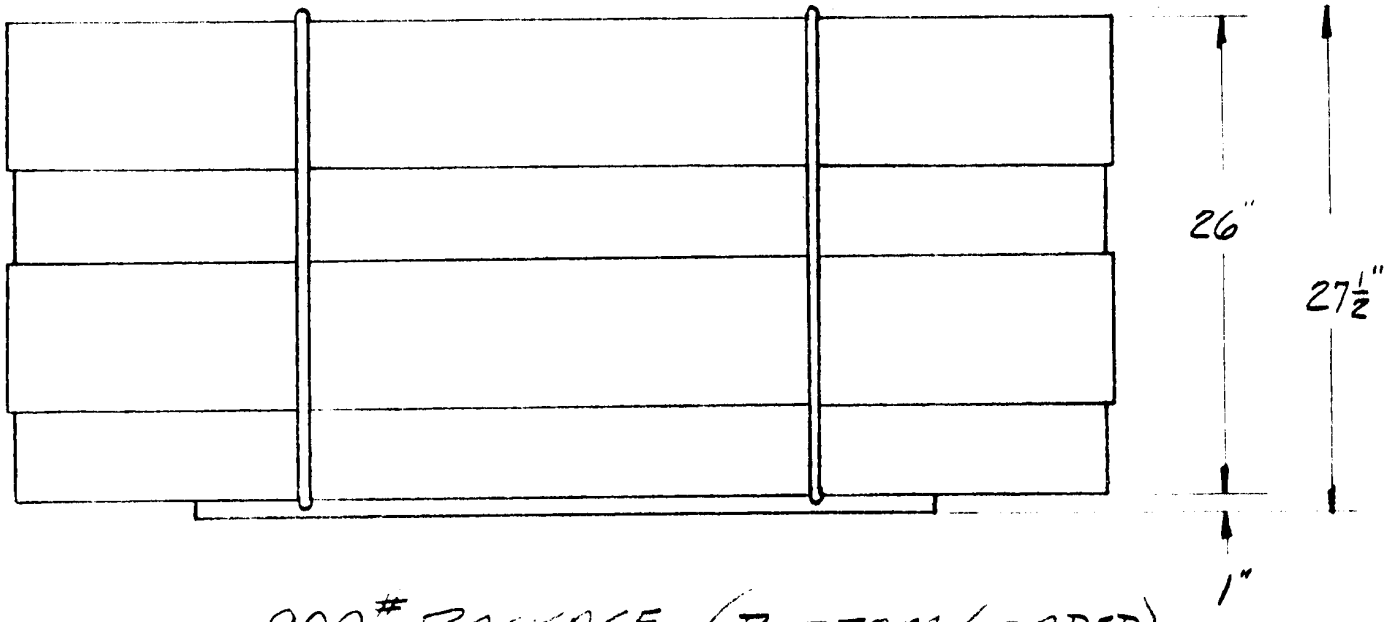

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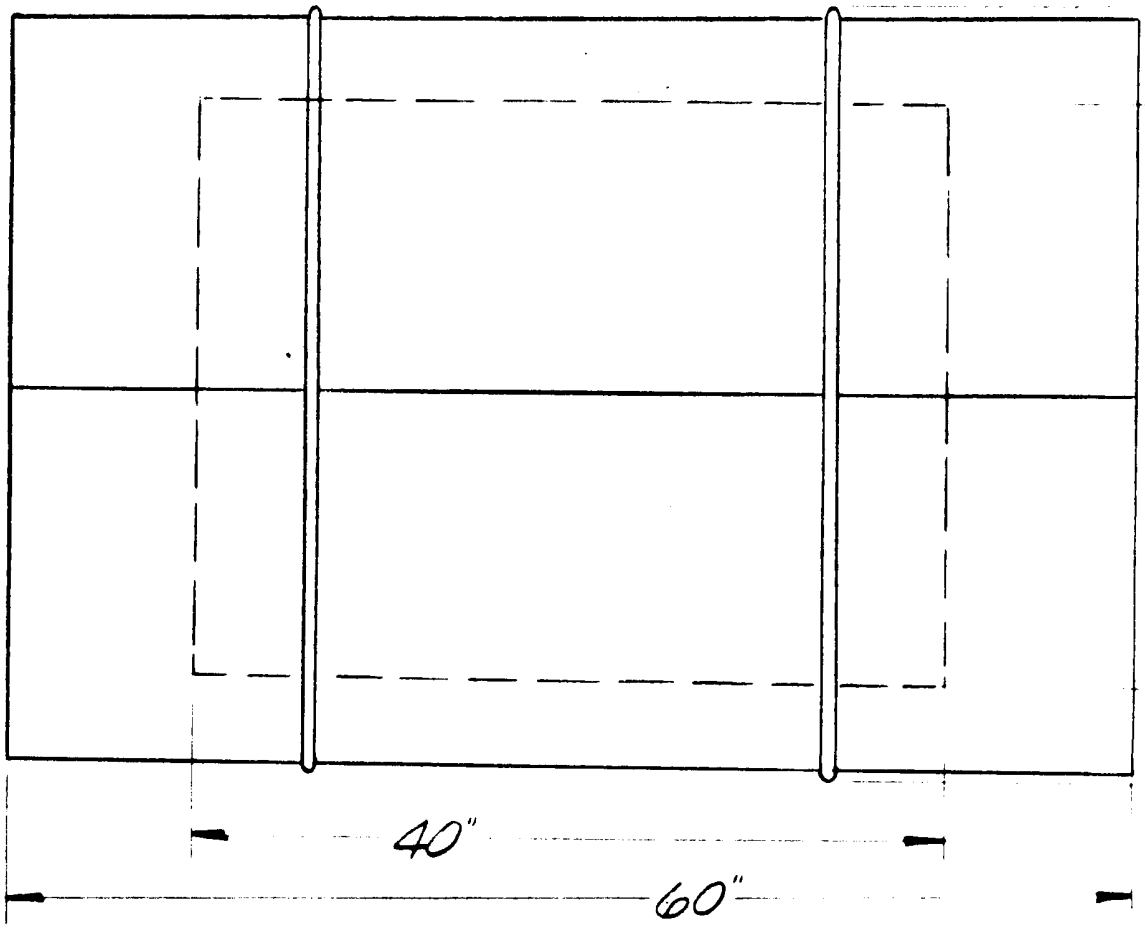

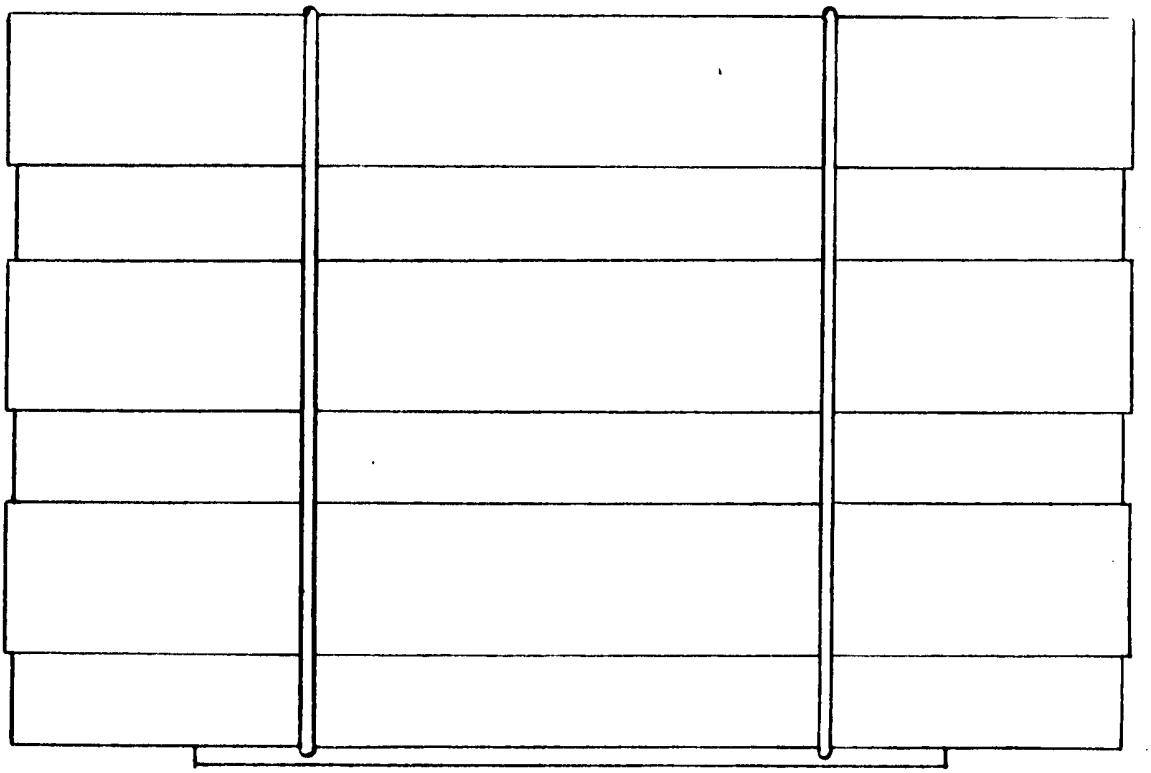

Approved 1 Yeni

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1-19-59 L.L. Myers

1300# PACKAGE (BOTTOM LOADED)

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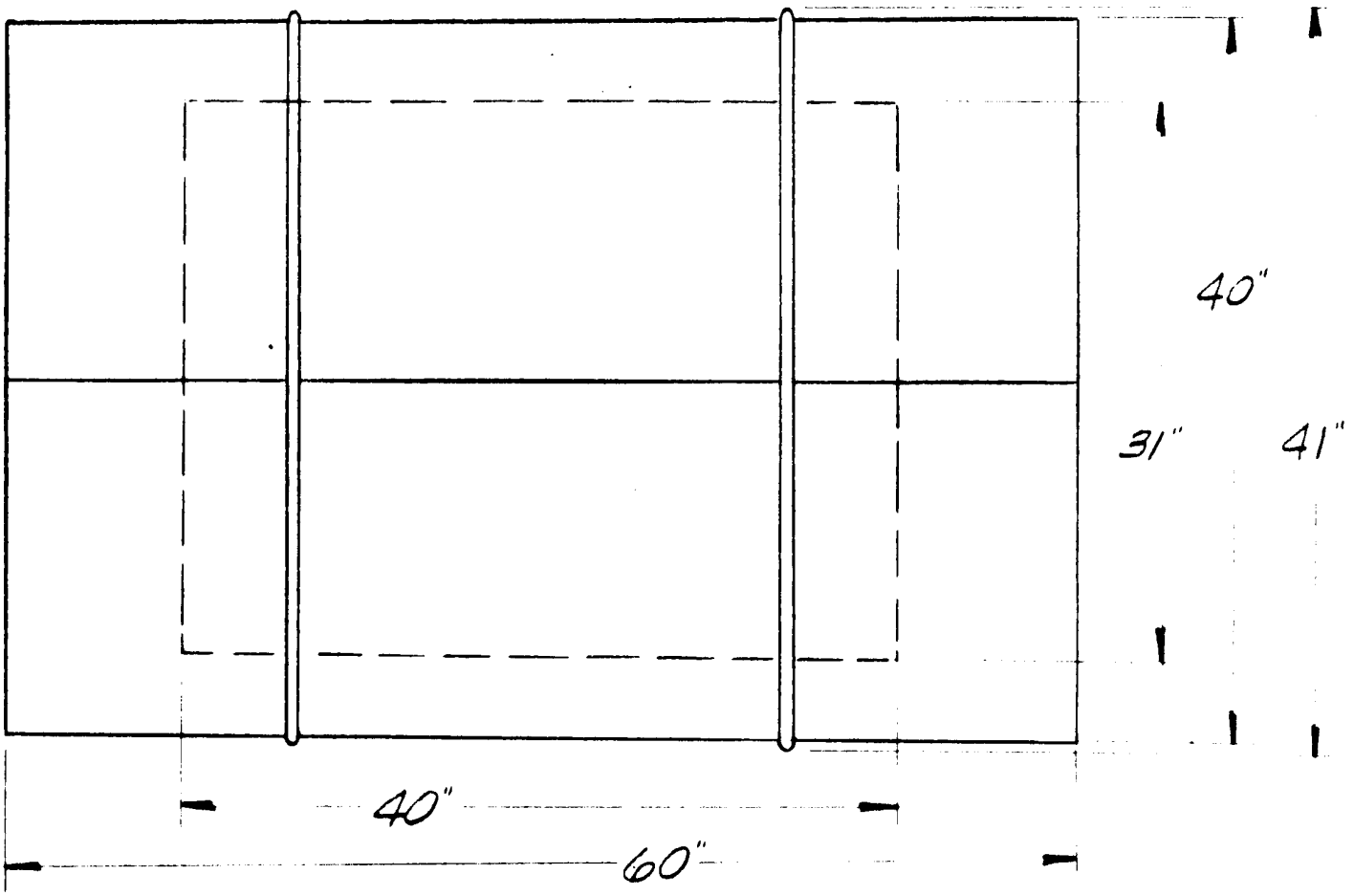

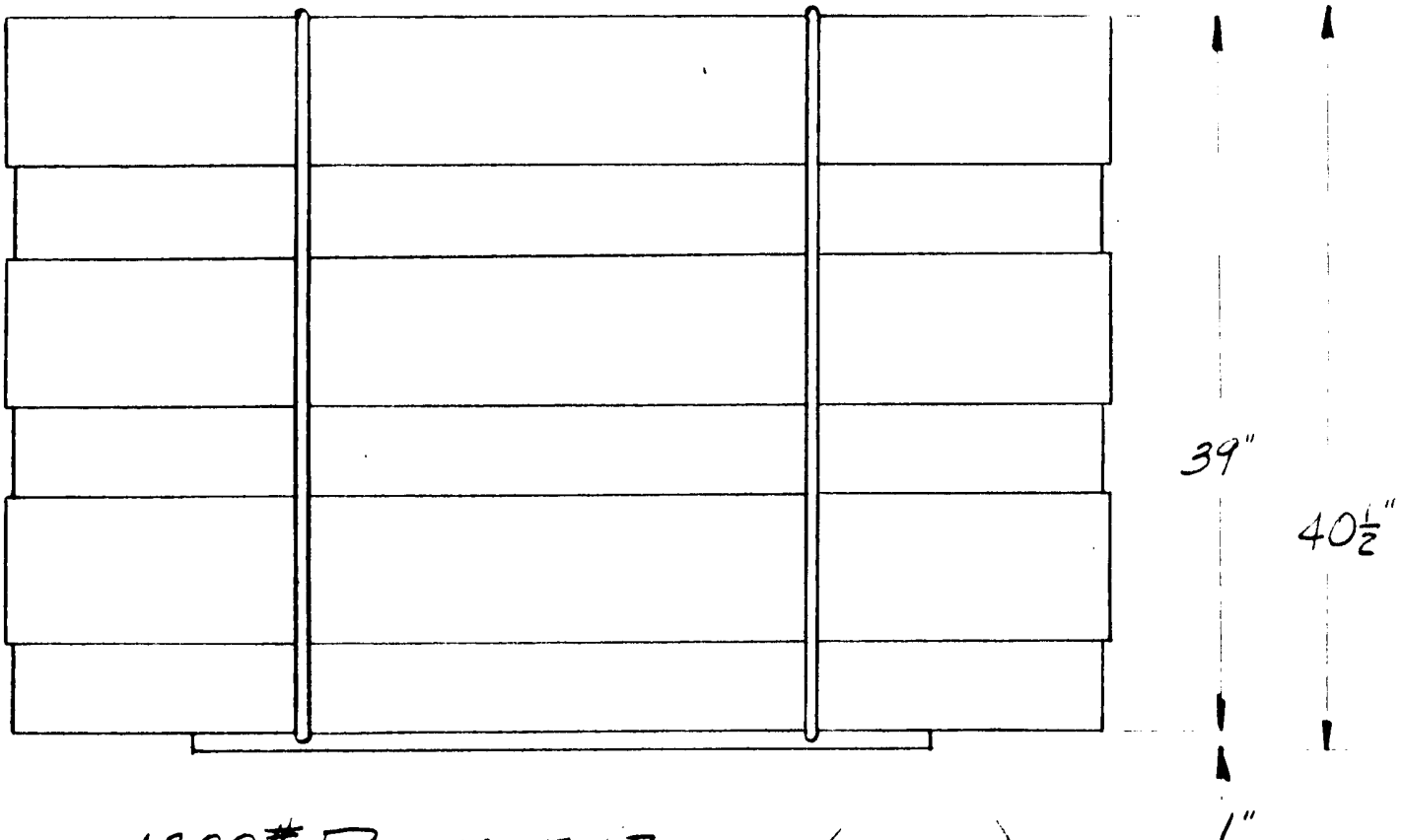

1300# PACKAGE (BOTTOM LOADED)

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CONVEYOR NOTES!

1. LOCKING ARRANGEMENTS ON 10 FT ROLLER SECTIONS SHALL HAVE PIN & GUDGEON ARRANGEMENT IN LIEU OF PLATE & BOLT.

2- SIDE RAILS OF 10 FT ROLLER SECTION SHALL BE ALUMINUM TO REDUCE WEIGHT OF SYSTEM.

3. OUTBOARD VERTICLE SKEW ROLLERS SHALL BE MODIFIED TO PREVENT BUNDLE CORNER FROM JAMING AT EXIT.

4- BRAKE SHOES SHALL BE REARRANGED TO ACCOMODATE THE 17" PALLET.

5- THE CASTER TYPE ROLLERS ~~SECTION~~ SHALL BE REPLACED WITH SOLID OR SKATE TYPE ROLLERS TO PROVIDE TRACKING ABILITY TO THE SYSTEM.

6- THE BUTTRESS GUIDE RAILS SHALL BE REORIENTED TO ACCOMODATE THE WIDER PACKAGES REF: 17 → 21".

7- AN APRON SHALL BE EXTENDED BELOW THE BUTTRESS GUIDE RAILS TO ACCOMODATE SMALL BUNDLES OF SHALLOW DEPTH.

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8- AN ATTACHMENT SYSTEM FOR USING EITHER A DOUBLE LINE OR SINGLE LINE ROLLER SECTION SHALL BE INCORPORATED IN THE TRANSITION SECTION.

9- SPRING CATCH NEEDED TO RETAIN FW'D SKEW ROLLERS IN POSITION.

10- ADDITIONAL LEAD-IN FLARING NEEDED AT ENTRANCE TO TRANSITION SECTION TO ELIMINATE BUNDLE "HANG-UP."

11- CHANGE STEEL FW'D ROLLERS TO ALUMINUM.

12- REDESIGN SYSTEM FOR 45° OUTLET ANGLE.

13- RECONSIDER 30 MPH BUNDLE LOADING VERSUS 15 MPH FIGURE WHICH APPEARS MORE REALISTIC - REDUCE BUTTRESS WEIGHT.

IF USE 45° FIX CENTER GUIDE RAIL

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1 - WHO ESTABLISHES LASHING POLICY

2 - SHOULD NOT OPERATIONAL PEOPLE FIT TECHNIQUES TO THE EQUIPMENT.

3 - IS "SMOKIES" TECHNIQUE PROVEN OUT OR ARE WE ATTEMPTING TO BUILD EQUIPMENT TO SUIT A STILL GROWING IDEA.

4 - WHAT DETERMINES THE DIMENSIONS OF THE BUNDLES.

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C-54 DOORS ED 188

AGREEMENT BETWEEN AMD & TSS.

1- TSS/ED WILL FUND THE DEVELOPMENT, ENGINEERING, FABRICATION, AND INSTALLATION OF ONE PROTOTYPE AIRCRAFT DOOR SYSTEM.

2- AMD WILL FUND THE PROCUREMENT OF 3 DOOR KITS FOR USE IN THE FIELD.

3- THE PROTOTYPE & PRODUCTION WILL BE HANDLED ON ONE TASK BY TSS WITH AMD TRANSFERING MONEYS TO COVER THE PRODUCTION PORTION.

RETEL TO [redacted] STAT

1- INFORMED [redacted] STAT THAT TASK IS FORTHCOMING & TO SUBMIT TWO SEPERATE PROPOSALS FOR PROTOTYPE & PRODUCTION KITS. EXPLAINED FUND TRANSFER INVOLVED.

2- [redacted] REQUESTS THE FOLLOWING INFO AS SOON AS POSSIBLE. STAT

a- STRESS REPORT ON DOORS AND AIRFRAME DOOR SECTION

b- DWG'S OF DOORS & DOOR SECTION, SHOULD BE FOR MODELS CONCERNED

3- [redacted] REQUESTS AIRCRAFT BE MADE AVAILABLE AT FRIENDSHIP FOR 1 DAY FOR ENG'R STUDY OF MODEL CONCERNED. THE AIRCRAFT SHOULD BE MADE AVAILABLE AT ONE WEEK OR LESS AFTER A/A RECEIPT OF TASK ORDER. STAT

MAJ. — DUCKWOOD. WILL NOTIFY FOR AIRCRAFT BILL.

4- [redacted] REQUEST WE MEET AND AGREE TO AGREEMENT ON COURSE OF ACTION & PLANS. STAT

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20 JUNE 1958

REP: MEETING WITH [redacted] STAT

PRESENT: [redacted] ASS'T DIRECTOR ENG'R STAT

TOPIC: CONVEYOR & AIRCRAFT DOORS.

1- TEFLON CONVEYOR SYSTEM DOUBTFUL. COEFFICIENT OF FRICTION FOUND TO BE 3x THAT QUOTED IN LITERATURE.

2- REQUESTED [redacted] STAT INVESTIGATE & SUBMIT PROPOSAL ON THE FOLLOWING 3 ITEMS;
   a) - BELT ROLLER
   b - SLIDE - SHEET STOCK - WAXED.
   c - TRUCK TYPE.

3- [redacted] STAT WILL ONLY INVESTIGATE IN A CURSORY METHOD SINCE NO MONEY INVOLVED

4- AIRCRAFT DOOR PROPOSAL LOOKS GOOD,
   a - PROPOSED WE USE FRIENDSHIP AIRPORT [redacted] STAT TO FIND OUT ABOUT HANGER & RENTAL) TO FIT FIRST SET OF DOORS. FROM THIS "BUGS" & INSTALLATION INSTRUCTIONS WILL BE FORTHCOMING.
   b - WILL TRY TO OBTAIN AN AGENCY PLANE
   c - WILL TRY TO COORDINATE DOORS & CONVEYOR TOGETHER
   d - [redacted] STAT WILL WORK UP A FORMAL QUOTE FOR DOORS IN KIT FORM, INCLUDING INITIAL INSTALLATION OF FIRST SET, INSTRUCTIONS, DWG's PICS. ETC.

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41916
41806
TOM:

CONVEYOR - AIR DROP

1/13/58

VISITED [redacted] STAT

[redacted] STAT

1- [redacted] WILL BE DIRECTLY RESPONSIBLE STAT
FOR THE WORK.

2- SECURED SECRECY AGREEMENTS
3- PRESENTED PROBLEM
4- [redacted] WILL QUOTE ON PRICE & DELIVERY STAT
BY WEDNESDAY -
5- THEY WILL DRY RUN CONVEYOR LOADED
TO DETERMINE TRACKING ABILITY.

NB! - DISCUSSED CARGO DOOR PROBLEM ON C-54
[redacted] WILL DO FOR 10-20 THOUSAND. STAT

6/18

RETEL TO [redacted] REF REFEL STAT
WITH [redacted]. REQUESTED STAT
QUOTE ON 5 FIVE INWARD HINGED
DOORS MID DIVIDED FOR C 54
AIRCRAFT.

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AIR DROP - 6/12/58

STAT [redacted]

REQUEST CONVEYOR SYSTEM - DEADLINE IS July.

1- LIGHT WEIGHT SYSTEM - COMPACT
2. EASE OF INSTALLATION IN SMALL SPACE
3- LUBRICATION - +10°F TO 100°F
4- MAX CONTAINER
17"W x 8'-0"Lg ~ 600 #
5- MIN CONTAINER
17"W x 44"Lg ~ 600#
6- MAX HEIGHT OF CONTAINER - 35"
7- 2 BOX BUNDLES - 250# / BOX
8- ALL CONTAINERS ARE SECURED WITH 3/8 & 1/2" LINE.
9- DESIRE TO USE NO PALLET IF POSSIBLE.
10- DESIRE FAST ROLL ACTION FOR DISPATCHING.
11- MAX. SECTION LENGTH 10'-0"
12- REQUIRE POSITIVE BRAKE AT BEGINNING OF EACH 10' SECTION
13- ALL BRAKES FOOT OPERATED WITH LOCK DOWN & QUICK RELEASE.
14- SHOE BRAKE AT DOOR SECTION
15- SOLID ROLLER VS SKATE ROLLER WHICH IS BEST SYSTEM - WILL SACRAFICE IN WT. TO GET BEST PERFORMANCE.
16- WHAT IS BEST ARRANGEMENT OF ROLLERS, SPACING, DIA. (SMALL VS LARGE)
17- 1/2" LINE AT RT. ANGLES & PARALLEL TO ROLLERS - LARGEST GROUP 2 STRANDS 1/2 & 1-STRAND 3/8"
18- HOLD SYSTEM AS CLOSE TO FLOOR AS POSSIBLE.
19- AIRCRAFT C-54

20- DESIRE VERTICLE DOOR ROLLERS. PER SKETCH.
21- MAY ELEVATE FWD ROLLER SECTION.

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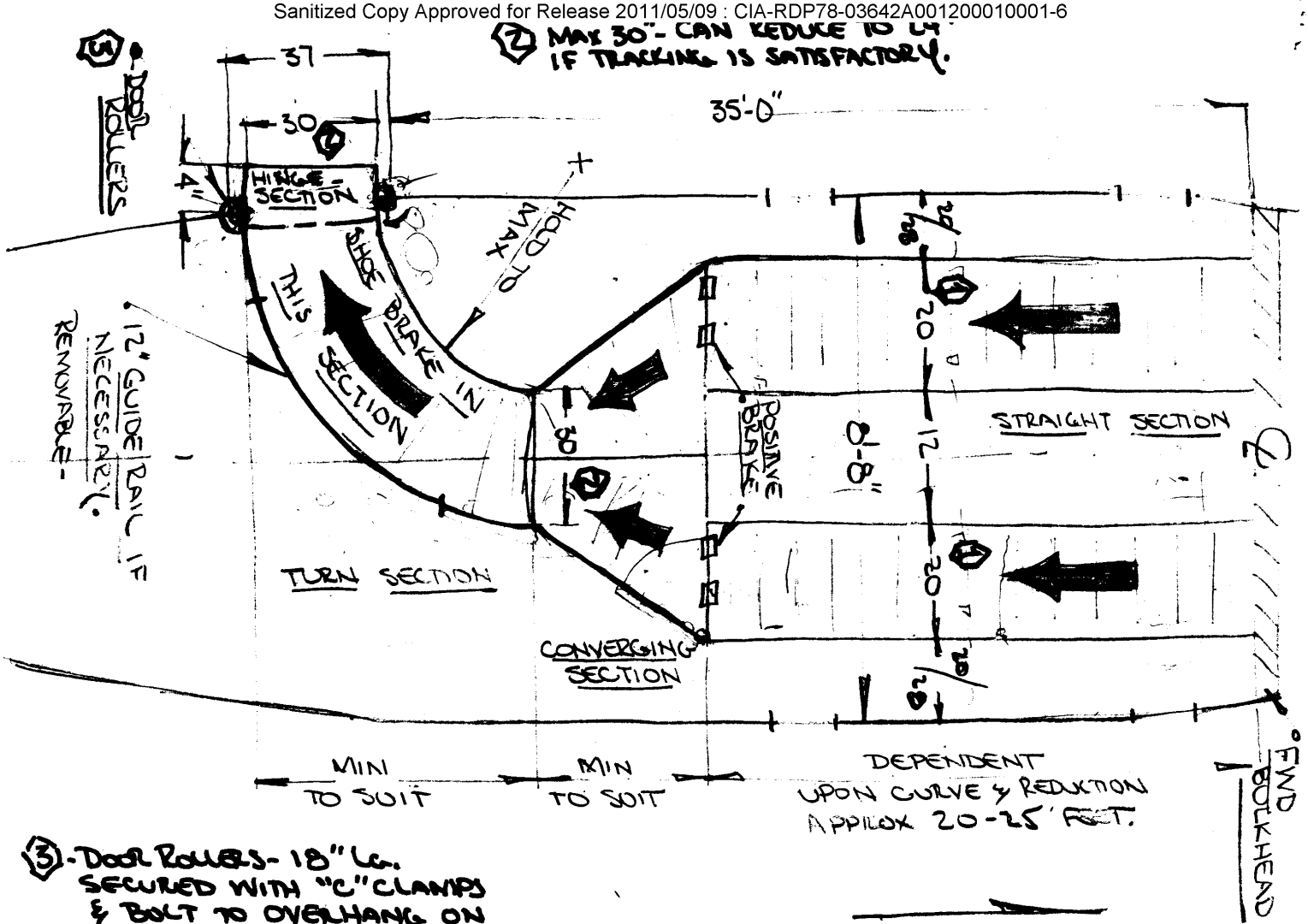
(1) MIN - 18", MAX - 24"

(2) MAX 30" - CAN REDUCE TO 24" IF TRACKING IS SATISFACTORY.



(3) - DOOR ROLLERS - 18" Lg. SECURED WITH "C" CLAMPS & BOLT TO OVERHANG ON TRACK SECTION. SMALL DIA. ATTACH IN FLIGHT.

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